

SPECIAL DATA COLLECTION SYSTEM EVENT REPORT Eastern Kazakh, SSR, 23 July 1976.

9 Technical rept.,

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November 77

12/10p.

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SECURITY CLASSIFICATION OF THIS PAGE (When Date Entered)	BEAD INCTRUCTION				
REPORT DOCUMENTATION PAGE	READ INSTRUCTIONS BEFORE COMPLETING FORM				
REPORT NUMBER 2. GOVT ACCESSION NO.	D. 3. RECIPIENT'S CATALOG NUMBER				
SDCS-ER-76-111 V					
. TITLE (and Subilitie)	S. TYPE OF REPORT & PERIOD COVERED				
	Toobaianl				
SPECIAL DATA COLLECTION SYSTEM (SDCS)	Technical				
Eastern Kazakh, SSR, 23 July 1976	6. PERFORMING ORG. REPORT NUMBER				
AUTHOR(e)	. CONTRACT OR GRANT NUMBER/A,				
M. S. Dawkins					
M. D. Gillispie	F08606-78-C-0007 V				
PERFORMING ORGANIZATION NAME AND ADDRESS	10. PROGRAM ELEMENT PROJECT, TASK AREA & WORK UNIT NUMBERS				
Teledyne Geotech V	AREA & WORK UNIT NUMBERS				
314 Montgomery Street	VT/8709				
Alexandria, Virginia 22314	V1/8/09				
1. CONTROLLING OFFICE NAME AND ADDRESS	12. REPORT DATE				
Defense Advanced Research Projects Agency	23 Nov 77				
Nuclear Monitoring Research Office	13. NUMBER OF PAGES				
1400 Wilson Blvd. Arlington, Virginia 22209	9				
4. MONITORING AGENCY NAME & ADDRESS(II different from Controlling Office)	15. SECURITY CLASS. (of this report)				
VELA Seismological Center	Unclassified				
312 Montgomery Street					
Alexandria, Virginia 22314	150. DECLASSIFICATION DOWNGRADING				
APPROVED FOR PUBLIC RELEASE; DISTRIBUT	TON UNDITITIES.				
7. DISTRIBUTION STATEMENT (of the abetract entered in Block 20, If different fro	DE 23 1978				
	MEGIETO B				
9. KEY WORDS (Continue on reverse side if necessary and identify by block number)					
O. ABSTRACT (Continue on reverse side if necessary and identify by block number)	V				

SDCS Event Report No. 111

Eastern Kazakh SSR, 23 July 1976,

This event report contains seismic data from the Special Data Collection System (SDCS), and other sources for the above event. Published epicenter information from seismic observations is provided.

	"P" Arrival	Origin Time	Latitude	Longitude	) <sub>m</sub> <sub>b</sub>	Ms
NORSAR	02:40:18.9	02:32:53.0	49.1N	079.6E	4.9	N/A
Hagfors	02:32:56	02:40:09.1	50N	079E	5.4	N/A

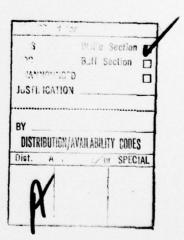
Using SDCS stations, LASA and NORSAR, the epicenter location and magnitudes become: Origin time - 02:33:01.2; 50.1N; 77.7E; and 4.8.4N/A

All SDCS stations were operational during this period.

Short-period signals associated with this event were recorded at CPSO, FN-WV, RK-ON, WH2YK, LASA, and NORSAR. HN-ME was negative. Data from WH2YK was retrieved from the analog back-up system due to the digital system being down at the time. Data from the remaining three SDCS stations were retrieved from the primary, digital system. Information for LASA short-period is reported from their "LASA Data Center Teleseismic Report"; NORSAR short-period data are from their bulletin. Horizontal channels at all SDCS stations were rotated.

Long-period was negative.

Scaling factors on plots are millimicrons at 1 Hz (not corrected for instrument response)





STATION DESCRIPTION

00	>=		>=		<b>&gt;</b>	>1	>=
ATION LONG-PERIOD	SL210 V SL220 H	KS36000	7505A V 8700C H	KS36000	7505A V 8700C H	SL210   SL220	SL210 V SL220 H
INSTRUMENTATION SHORT-PERIOD LONG-	6480 V 7515 H	KS36000	HS10	KS36000	HS10	18300	18300
ELEVATION METERS	574	910	744	213	379	366	853
SITE COORDINATES DEG MN SECS	35 35 41.4 N 085 34 13.5 W	38 32 58.0 N 079 30 47.0 W	46 41 19.0 N 106 13 20.0 W	46 09 43.0 N 067 59 09.0 W	60 49 25.4 N 010 49 56.5 E	50 50 20.0 N 093 40 20.0 W	60 41 41.0 N 134 58 02.0 W
LOCATION	McMinnville, Tennessee	Franklin, West Virginia	Billings, Montana	Houlton, Maine	Kjeller, Norway	Red Lake, Ontario	White Horse, Yukon
SITE	CPSO	FN-WV	LASA	HN-ME	NORSAR	RK-ON	WH2YK

23JUL INPUT FOR EVENT 23 JUL 76 02:33:00.0 50.000N 79.000E 0KM.

			RES	IDUALS	DIST.	AZ.
STA.	AR	RIVAL	CALC	REST	REST	REST
WH2YK	02 4	3 51.2	-0.2	-0.1	66.5	16.8
FN-WV	02 4	5 59.7	0.3	0.3	89.5	342.4
CPC	02 4	6 17.1	-0.6	-0.5	93.5	346.5
RK-ON	02 4	5 06.7	-0.2	-0.3	79.2	354.5
LAC	C2 4	5 30.8	0.7	0.7	83.6	2.8
NAO	02 4	0 18.9	C.0	0.0	37.9	313.1

## 67 HERRIN TRAVEL TIME TABLES

OPIGIN	LAT.	LONG.	DEPTH (KM)	SDV	IT	STA
			45. CALC			
			O. REST			

CALC					RE	ST					
		3 .	2					3 .	2		
	1			0			1			0	
0		0.	0		0	0		0.	0		0
						•	•		•		
0		0.	C		C	0		0.	0		0
	0			0			0			C	
		0 .	C					0 .	0		

CHI2 COVERAGE ELLIPSE; 95 PER CENT CONF..LEVFL, SDV= 0.93
MAJOR 166.4KM. MINOR 41.8KM. AZ= 180 AREA= 21830 SQ.KM. REST

## DATA SUMMARY

23JUL INPUT FOR EVENT 23 JUL 76 02:33:00.0 50.000N 79.000E 0KM.

		ARRIVAL		MAGNITUDE						
STA	PHASE_	TIME	INST	PFR	AZT	MB.		MS	DIE	DIST
NAO	EP	02 40 18.	9 AB	0.6	38.	4.78	3			37.9
WH2YK	FP	02 43 51.	2 SPZ	0.8	25.	5.10	)			66.5
RK-ON	EP	02 45 06.	7 SPZ	0.6	16.	4.68	3			79.2
LAO	EP	02 45 30.	8 SAB	0.9	9999.					
FN-WV	EP	02 45 59.	7 SPZ	0.7	7.	4.54				89.5
CPC	EP	02 46 17.	1 SPZ	0.7	11.	4.89	)			93.5
	33:09.0		LONG. 77.694E 77.800E		H (KM) CALC REST	MAG 4.77 4.80	SDV 0.20 0.21	STA 5		

